

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

TWENTIETH POINTS	GIRDER 2																																								
	SPAN A																		SPAN B																						
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.007	-0.008	-0.008	-0.009	-0.009	-0.008	-0.008	-0.007	-0.006	-0.005	-0.004	-0.002	-0.001	-0.001	0.000
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	-0.001	-0.002	-0.003	-0.003	-0.004	-0.004	-0.004	-0.004	-0.003	-0.002	-0.002	-0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.000	-0.003	-0.006	-0.010	-0.015	-0.019	-0.023	-0.026	-0.029	-0.030	-0.030	-0.030	-0.028	-0.025	-0.021	-0.017	-0.013	-0.009	-0.005	-0.002	0.000	
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	0.000	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	-0.002	-0.002	-0.003	-0.004	-0.004	-0.005	-0.005	-0.005	-0.005	-0.004	-0.004	-0.003	-0.003	-0.002	-0.001	-0.001	0.000	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	-0.001	-0.003	-0.004	-0.005	-0.006	-0.006	-0.006	-0.006	-0.006	-0.005	-0.003	-0.002	-0.001	0.000	0.001	0.001	0.001	0.001	0.000	-0.004	-0.009	-0.015	-0.021	-0.027	-0.034	-0.038	-0.042	-0.044	-0.044	-0.043	-0.040	-0.036	-0.030	-0.025	-0.019	-0.012	-0.007	-0.003	0.000	
VERTICAL CURVE ORDINATE	0.000	0.001	0.002	0.003	0.003	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.003	0.002	0.001	0.000	0.003	0.005	0.007	0.009	0.010	0.011	0.012	0.013	0.013	0.013	0.013	0.012	0.011	0.010	0.009	0.007	0.005	0.003	0.000		
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	2	5	7	8	10	11	11	11	11	10	8	7	6	5	3	2	2	1	0	0	7	14	22	30	37	45	50	55	57	57	56	53	48	41	35	28	19	12	6	0

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.

DEAD LOAD DEFLECTION TABLE FOR GIRDERS

TWENTIETH POINTS	GIRDER 2																																									
	SPAN C																		SPAN D																							
	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	0	
DEFLECTION DUE TO WEIGHT OF GIRDER	0.000	0.000	-0.001	-0.001	-0.002	-0.003	-0.004	-0.005	-0.005	-0.005	-0.005	-0.005	-0.004	-0.003	-0.002	-0.001	0.000	0.000	0.000	0.000	0.000	-0.001	-0.003	-0.004	-0.007	-0.009	-0.011	-0.013	-0.015	-0.016	-0.017	-0.017	-0.017	-0.017	-0.016	-0.014	-0.012	-0.009	-0.007	-0.003	0.000	
DEFLECTION DUE TO WEIGHT OF SLAB *	0.000	0.000	-0.001	-0.003	-0.006	-0.009	-0.011	-0.013	-0.015	-0.016	-0.015	-0.014	-0.012	-0.010	-0.007	-0.004	-0.001	0.001	0.002	0.002	0.000	-0.004	-0.010	-0.017	-0.024	-0.032	-0.040	-0.047	-0.054	-0.059	-0.062	-0.064	-0.063	-0.061	-0.057	-0.051	-0.043	-0.034	-0.023	-0.012	0.000	
DEFLECTION DUE TO WEIGHT OF BARRIER RAIL	0.000	0.000	0.000	-0.001	-0.001	-0.002	-0.002	-0.002	-0.003	-0.003	-0.003	-0.002	-0.002	-0.001	-0.001	0.000	0.000	0.000	0.000	0.000	0.000	-0.001	-0.002	-0.003	-0.004	-0.005	-0.006	-0.008	-0.008	-0.009	-0.010	-0.010	-0.010	-0.010	-0.009	-0.008	-0.007	-0.005	-0.004	-0.002	0.000	
TOTAL DEAD LOAD DEFLECTION	0.000	0.000	-0.002	-0.005	-0.009	-0.014	-0.017	-0.020	-0.023	-0.024	-0.023	-0.022	-0.019	-0.016	-0.011	-0.007	-0.002	0.001	0.002	0.002	0.000	-0.006	-0.015	-0.024	-0.035	-0.046	-0.057	-0.068	-0.077	-0.084	-0.089	-0.091	-0.090	-0.088	-0.082	-0.073	-0.062	-0.048	-0.034	-0.017	0.000	
VERTICAL CURVE ORDINATE	0.000	0.003	0.005	0.007	0.009	0.011	0.012	0.013	0.013	0.014	0.014	0.013	0.013	0.012	0.011	0.009	0.008	0.006	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
ORDINATE DUE TO SUPERELEVATION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REQUIRED CAMBER	0	3	7	12	18	25	29	33	36	38	37	35	32	28	22	16	10	5	2	0	0	6	15	24	35	46	57	68	77	84	89	91	90	88	82	73	62	48	34	17	0	

* INCLUDES SLAB, BUILDUPS & STAY-IN-PLACE FORMS.

ALL VALUES ARE SHOWN IN METERS, EXCEPT "FINAL CAMBER" WHICH IS SHOWN IN MILLIMETERS.

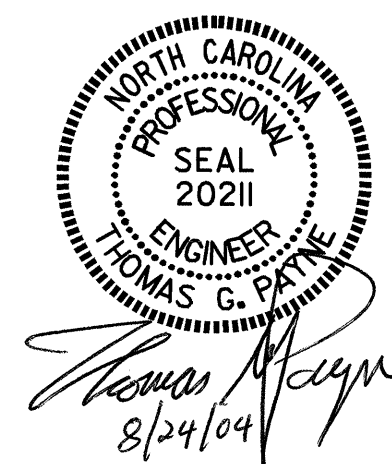
DEFLECTIONS ARE TAKEN AT TWENTIETH POINTS BETWEEN BEARINGS.

PROJECT NO. R-2206B

LINCOLN COUNTY

STATION: 123+38.105 -L-

SHEET 2 OF 4



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
DEAD LOAD
DEFLECTION TABLES
(RIGHT LANE)

DRAWN BY: M. J. OSTRISHKO DATE: 4-2-01
CHECKED BY: E. G. ALLEN DATE: 4-20-01

20-AUG-2004 16:09
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			86
2			4			

STR. #2